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IN THE DRAWINGS

Figure 4: Added reference numerals

Figure 5: Added reference numerals

Figure 6: Change 307 to 507.

Figure 7: Change 5 to 605. Change r407 to 607.

Figure 8: Change 5 to 705. Change 9 to 709.



Figure 1 - GSM1x System Architecture using the MSN

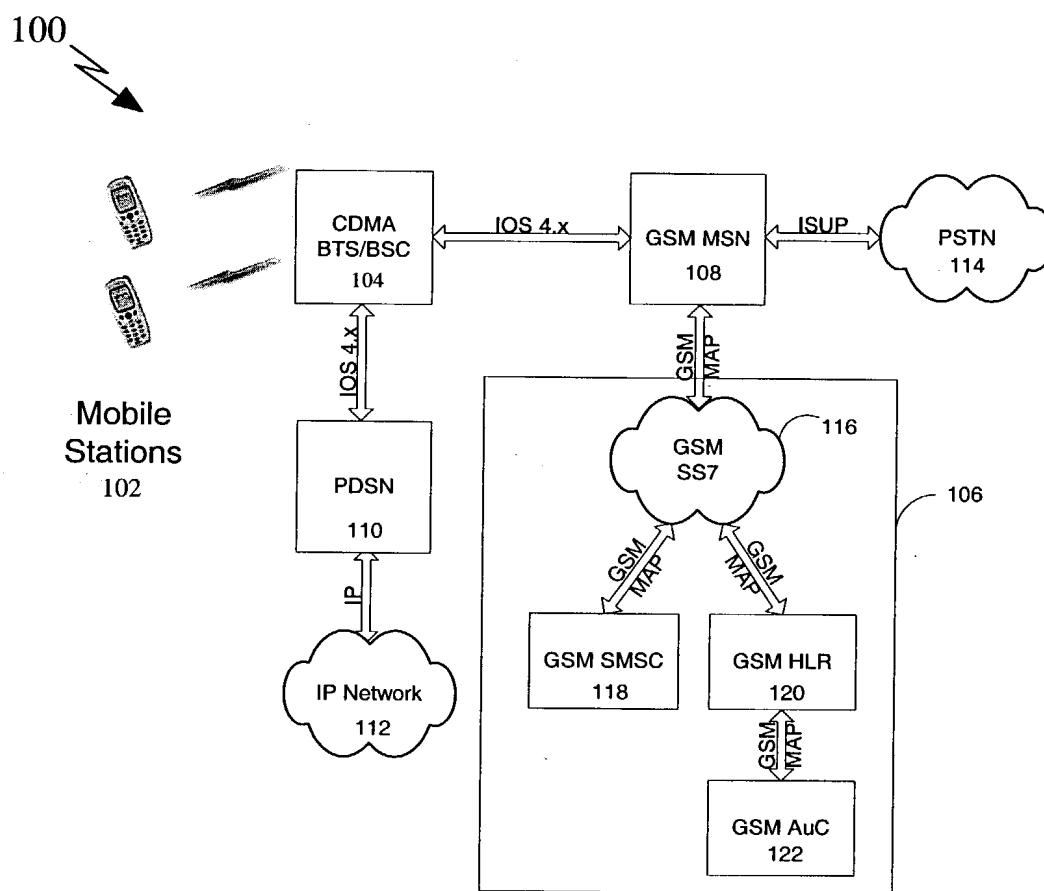


FIGURE 1

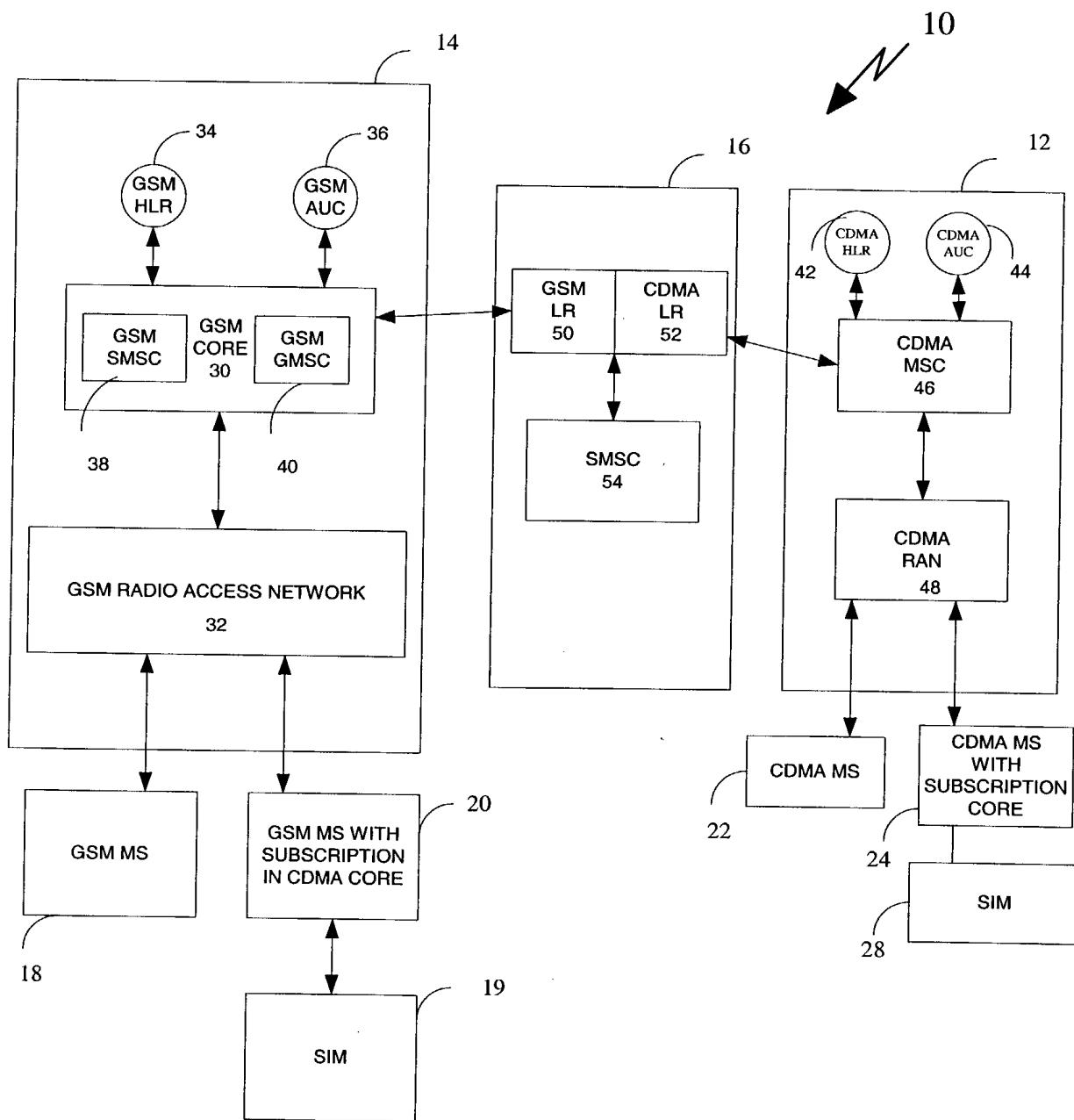
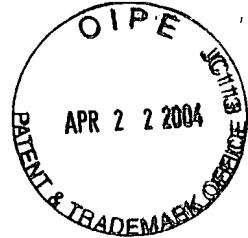
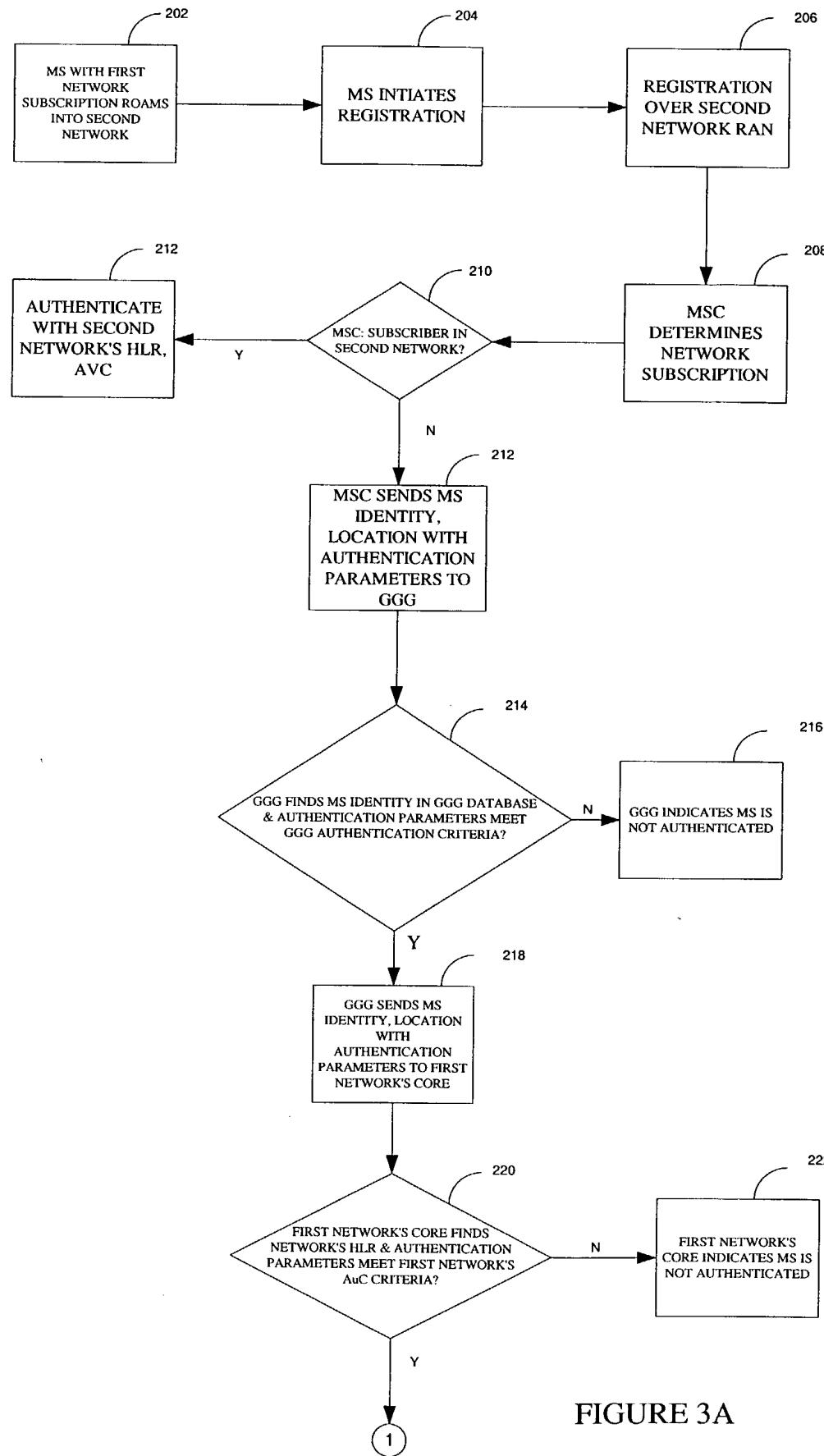


FIGURE 2



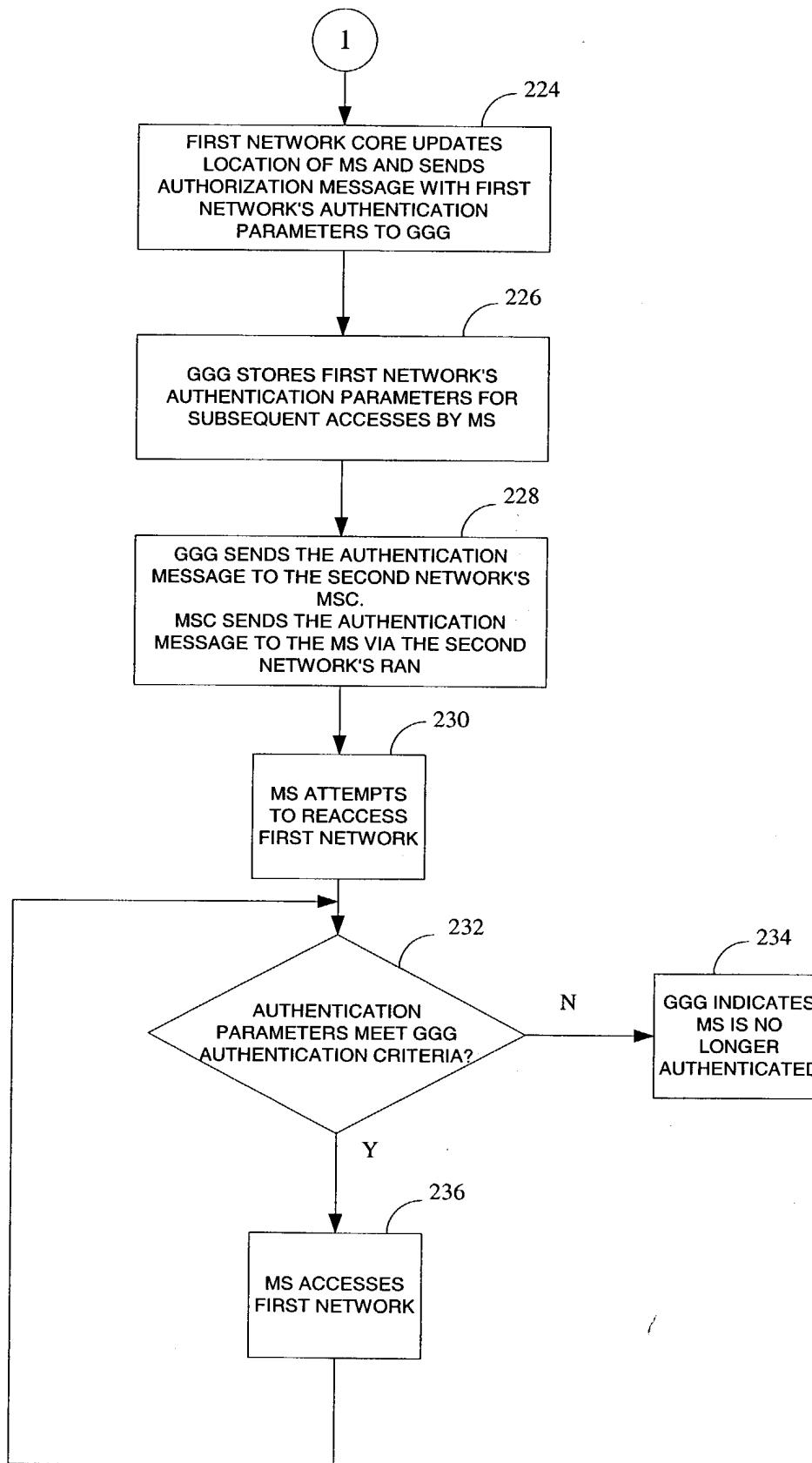


FIGURE 3B



Figure 4

ANSI-41 method of producing authentication keys

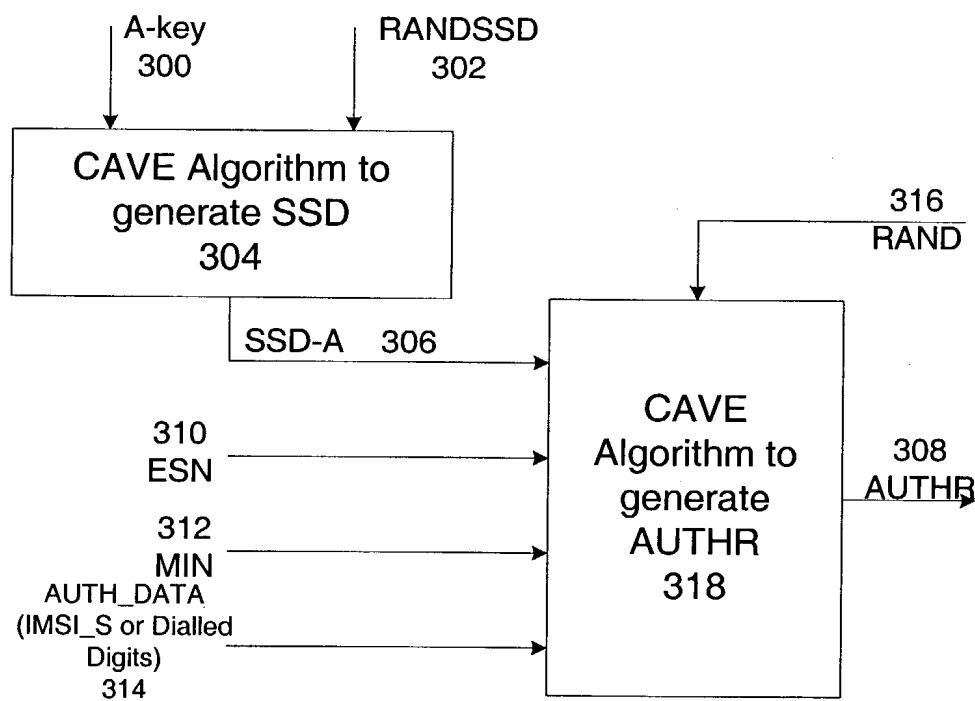




Figure 5

Using Kc as SSD-A

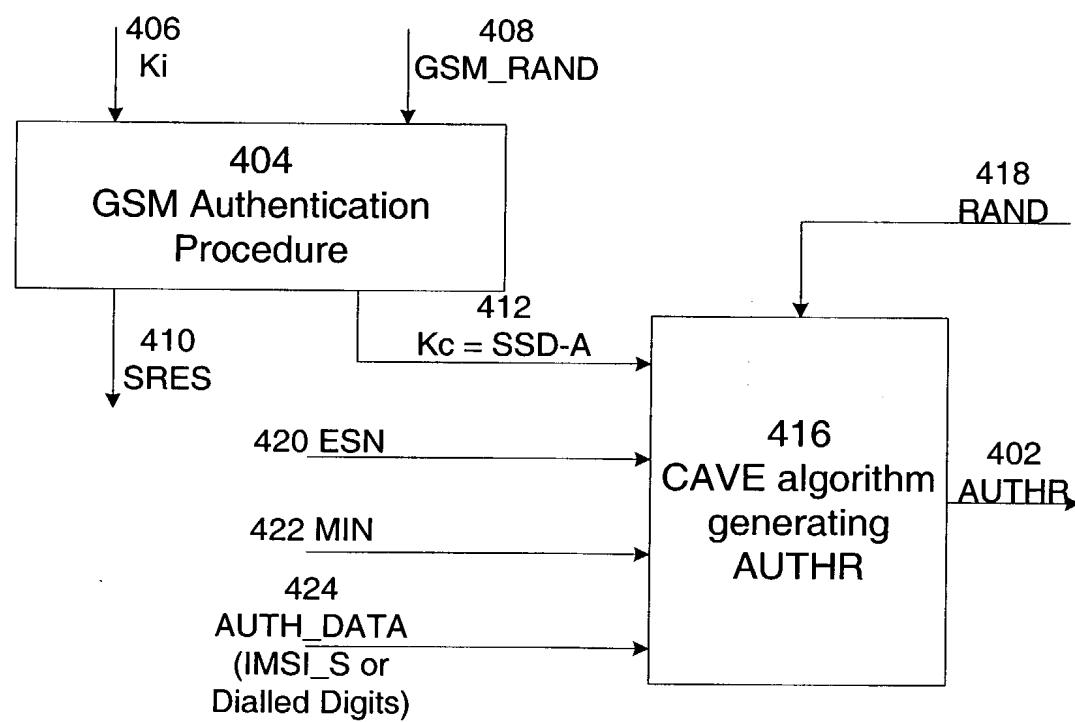




Figure 6

Successful SSD update procedure

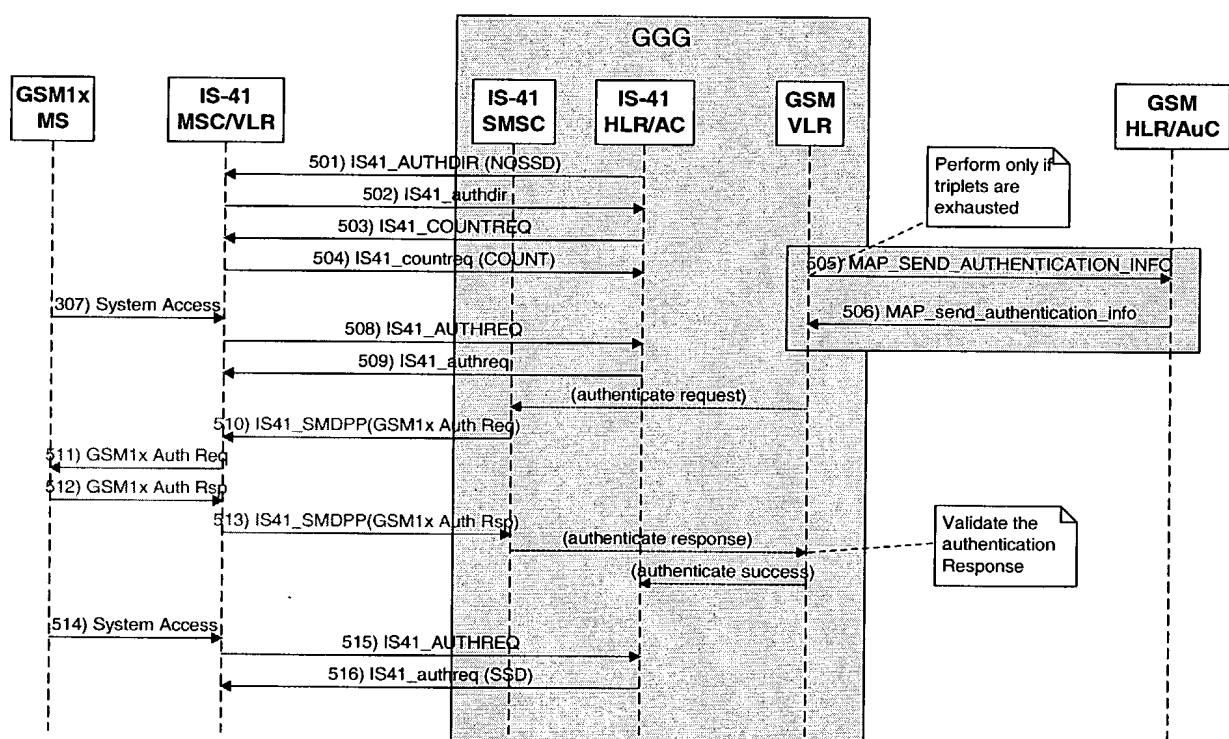




Figure 7

Initial registration with SSD sharing

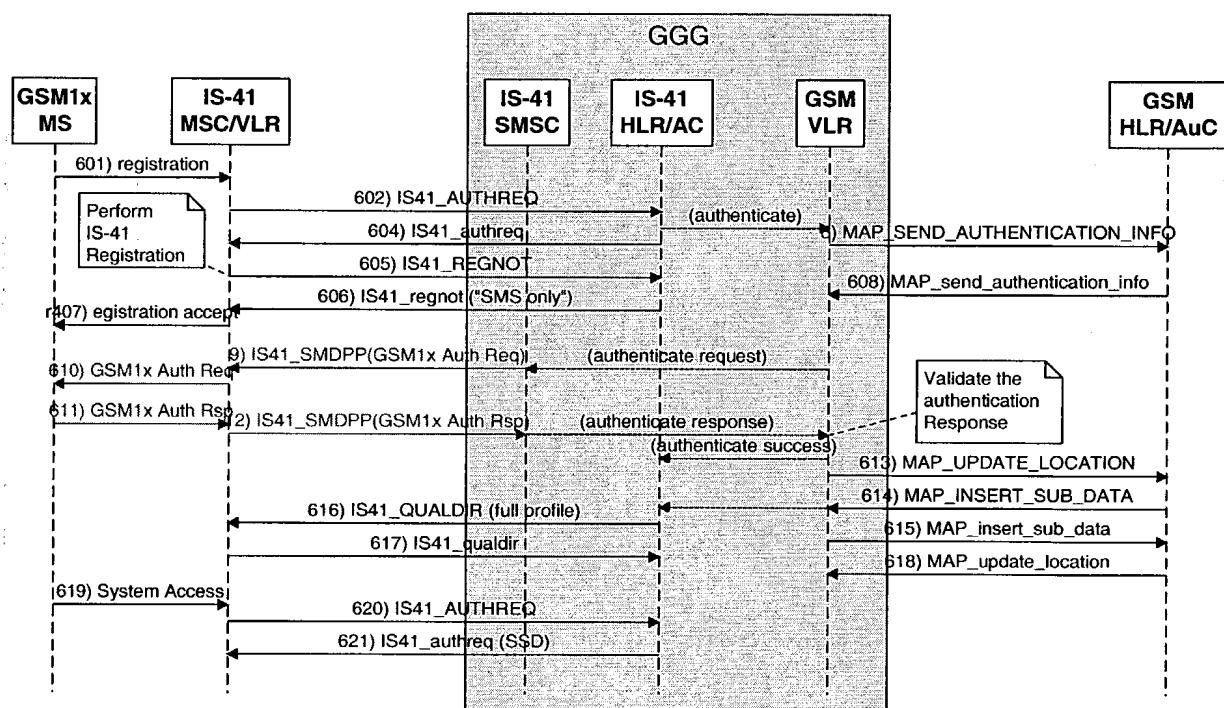




FIGURE 8

Successful registration with new MSC/VLR with SSD sharing.

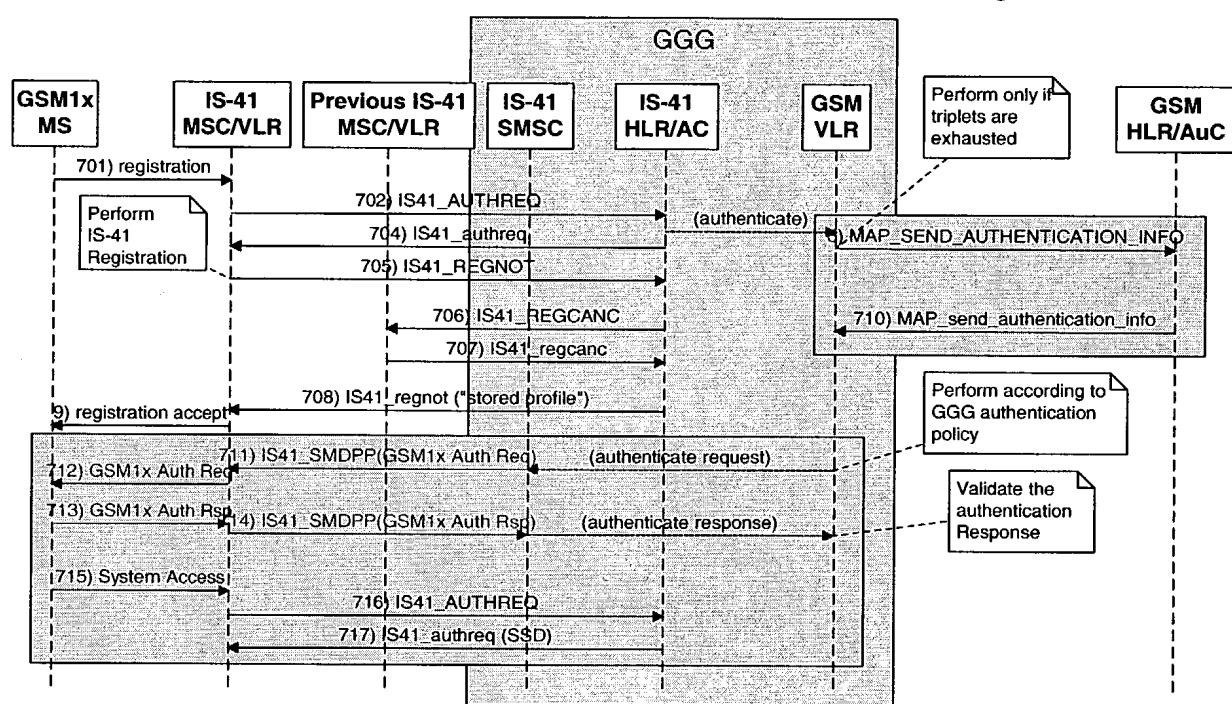




Figure 9 - Outline of Authentication Procedure

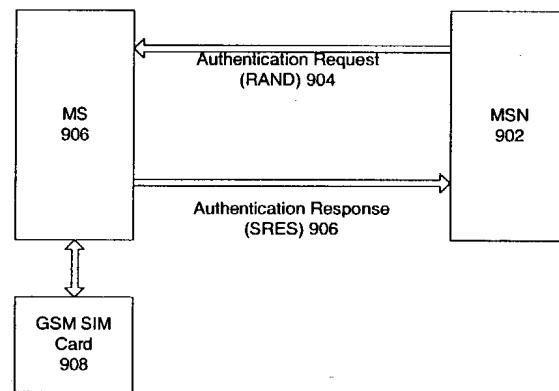
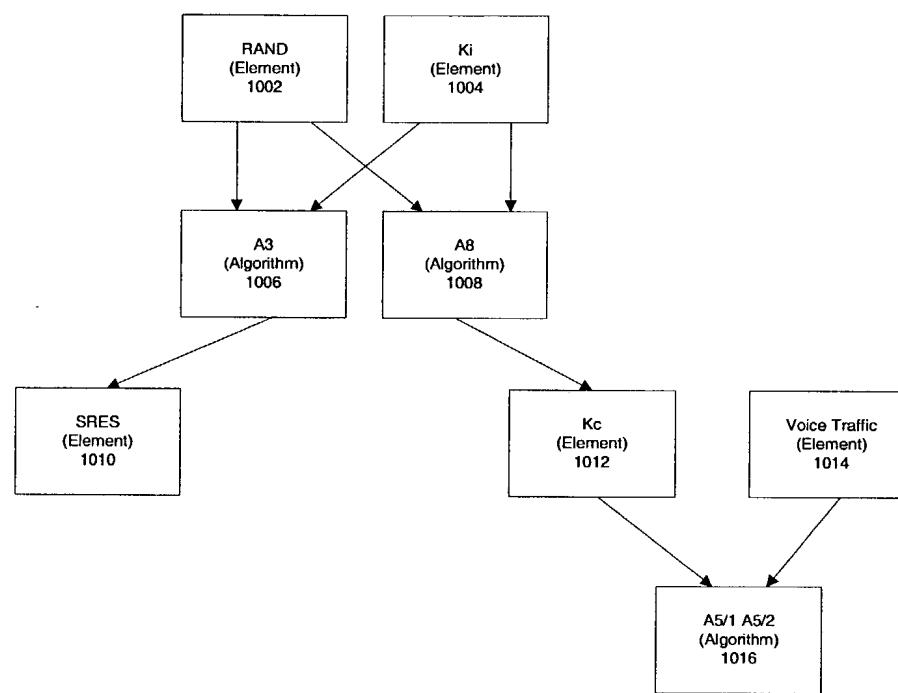




Figure 10 - GSM Key Generation

GSM Cryptography



GSM Authentiction

GSM Privacy



Figure 12 - Message Flow during Registration

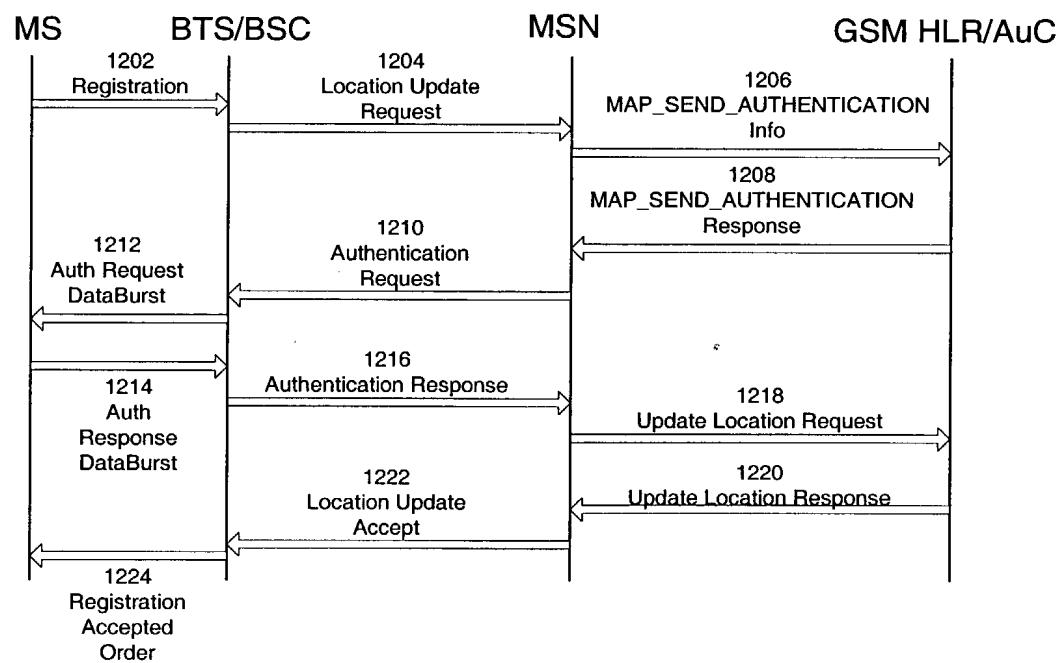
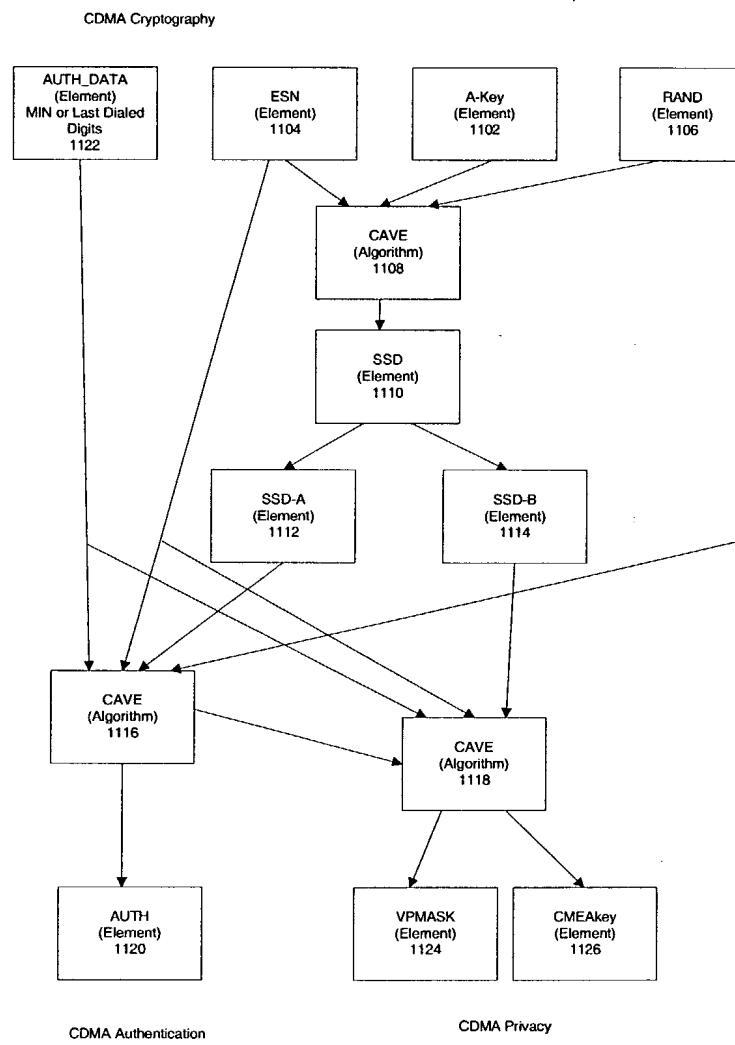




Figure 11 - CDMA Key Generation



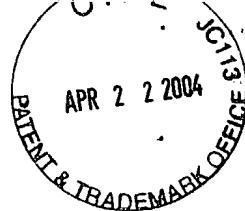


Figure 13 - Message Flow during MO Call

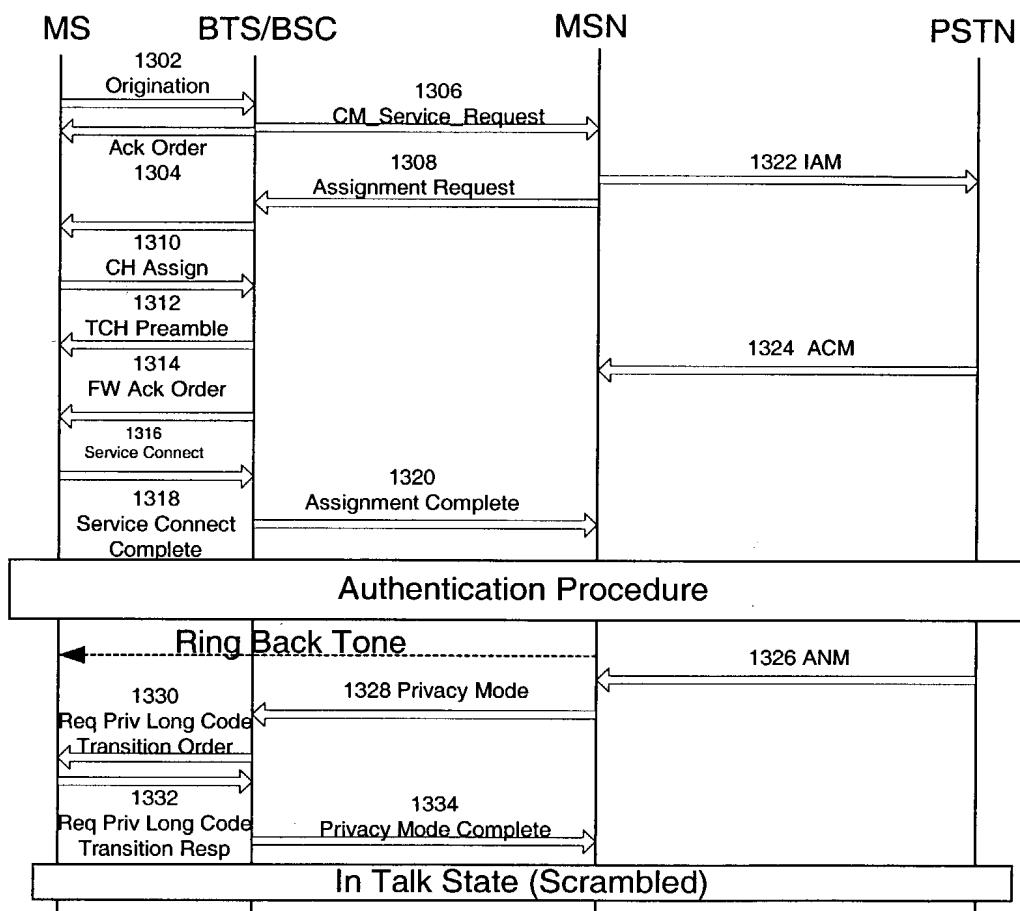




Figure 14 - Message Flow during MT Call

